

REMARKS

Claims 1-9 are pending. The Office Action dated July 25, 2003 in this Application has been carefully considered and the above amendments and the following remarks are presented in a sincere attempt to place this application into allowance. Claims 1 and 2 have been amended in this Response. The Examiner states that Claims 3-9 are allowable over the prior art of record, for which Applicant thanks the Examiner. (Office Action, page 5.) Reconsideration and allowance are respectfully requested in light of the foregoing amendments and the following remarks for Claims 1 and 2.

Claim 1 stands rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 4,015,213 to Hamada ("Hamada"). Insofar as Hamada may be applied against this claim or this claim as amended, this rejection is overcome.

Amended Claim 1 more particularly recites one of the distinguishing characteristics of the present invention, namely, "applying one of the pair of pulse width modulated signals ... *to a delay circuit.*" (Emphasis added.) Support for this Amendment can be found, among other places, on page 6, line 27 to page 7, line 19 and in FIGURE 3 of the present Application.

Hamada does not disclose, teach, or suggest amended Claim 1. Hamada is generating input waveforms in FIGURE 3, S3 and S5, into a latch to generate PWM signals. However, neither of those two signals are inputted into a delay circuit. In contrast, the input into the delay circuit of the present invention of Claim 1 allows for the output transition of the delay circuit to coincide with the output voltage of the latch circuit. The delayed output, thus, allows for a fourth aligned signal to be used for providing control of power applied a load using power conversion topologies, which is not taught, disclosed, or suggested by Hamada.

In view of the foregoing, it is apparent that the cited reference does not disclose, teach or suggest the unique combination now recited in independent Claim 1. It is therefore submitted that Claim 1 clearly and precisely distinguishes over the cited reference in a patentable sense, and is therefore allowable over this reference and the remaining references of record. Accordingly, it is respectfully requested that the rejection of Claim 1 under 35 U.S.C. § 102(b) as unpatentable over Hamada be withdrawn and that Claim 1 be allowed.

Claim 1 also stands rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 4,015,213 to Underhill ("Underhill"). Insofar as Underhill may be applied against this claim or this claim as amended, Applicant contends that this rejection is overcome.

Amended Claim 1 more particularly recites one of the distinguishing characteristics of the present invention, namely, "applying one of the pair of pulse width modulated signals ... *to a delay circuit.*" (Emphasis added.) Support for this Amendment can be found, among other places, on page 6, line 27 to page 7, line 19 and in FIGURE 3 of the present Application.

Underhill does not disclose, teach, or suggest amended Claim 1. Underhill is generating input waveforms into a latch to generate PWM signals for the purpose of phase or frequency comparison. However, neither of those two signals are inputted into a delay circuit. The input into the delay circuit of the present invention of Claim 1 allows for the output transition of the delay circuit to coincide with the output voltage of the latch circuit. The delayed output, thus, allows for a fourth aligned signal to be used for providing control of power applied a load using power conversion topologies, which is not taught by Underhill.

In view of the foregoing, it is apparent that the cited reference does not disclose, teach or suggest the unique combination now recited in independent Claim 1. It is therefore submitted that Claim 1 clearly and precisely distinguishes over the cited reference in a patentable sense, and is

therefore allowable over this reference and the remaining references of record. Accordingly, it is respectfully requested that the rejection of Claim 1 under 35 U.S.C. § 102(b) as unpatentable over Underhill be withdrawn and that Claim 1 be allowed.

Claim 2 stands rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 4,015,213 to Hamada ("Hamada"). Insofar as Hamada may be applied against this claim or this claim as amended, Applicant asserts that this is overcome.

Amended Claim 2 more particularly recites one of the distinguishing characteristics of the present invention, namely, "a first pulse width modulated control signal supplying means *at least connected to a delay circuit.*" (Emphasis added.) Support for this Amendment can be found, among other places, on page 6, line 27 to page 7, line 19 and in FIGURE 3 of the present Application.

Hamada does not disclose, teach, or suggest amended Claim 2. Hamada is generating input waveforms in FIGURE 3, S3 and S5, into a latch to generate PWM signals. However, neither of those two signals are inputted into a delay circuit. The input into the delay circuit of the present invention of Claim 2 allows for the output transition of the delay circuit to coincide with the output voltage of the latch circuit. The delayed output, thus, allows for a fourth aligned signal to be used for providing control of power applied a load using power conversion topologies, which is not taught by Hamada.

In view of the foregoing, it is apparent that the cited reference does not disclose, teach or suggest the unique combination now recited in independent Claim 2. It is therefore submitted that Claim 2 clearly and precisely distinguishes over the cited reference in a patentable sense, and is therefore allowable over this reference and the remaining references of record. Accordingly, it is

respectfully requested that the rejection of Claim 2 under 35 U.S.C. § 102(b) as unpatentable over Hamada be withdrawn and that Claim 1 be allowed.

Claim 2 stands rejected under 35 U.S.C. § 102(b) as anticipated by U.S. Patent No. 4,015,213 to Underhill ("Underhill"). Insofar as Underhill may be applied against this claim or this claim as amended, Applicant asserts that these rejections are respectfully traversed or overcome, as appropriate.

Amended Claim 2 more particularly recites one of the distinguishing characteristics of the present invention, namely, "a first pulse width modulated control signal supplying means *at least connected to a delay circuit.*" (Emphasis added.) Support for this Amendment can be found, among other places, on page 6, line 27 to page 7, line 19 and in FIGURE 3 of the present Application.

Underhill does not disclose, teach, or suggest amended Claim 2. Underhill is generating input waveforms into a latch to generate PWM signals for the purpose of phase or frequency comparison. However, neither of those two signals are inputted into a delay circuit. The input into the delay circuit of the present invention of Claim 2 allows for the output transition of the delay circuit to coincide with the output voltage of the latch circuit. The delayed output, thus, allows for a fourth aligned signal to be used for providing control of power applied a load using power conversion topologies, which is not taught by Underhill.

In view of the foregoing, it is apparent that the cited reference does not disclose, teach or suggest the unique combination now recited in independent Claim 2. It is therefore submitted that Claim 1 clearly and precisely distinguishes over the cited reference in a patentable sense, and is therefore allowable over this reference and the remaining references of record. Accordingly, it is

respectfully requested that the rejection of Claim 2 under 35 U.S.C. § 102(b) as unpatentable over Underhill be withdrawn and that Claim 2 be allowed.

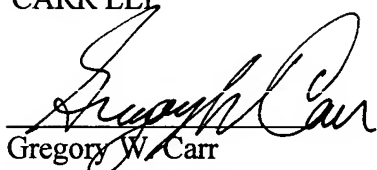
Applicants have now made an earnest attempt to place this application in condition for allowance. For the foregoing reasons and for other reasons clearly apparent, Applicants respectfully request full allowance of Claims 1 through 9.

Applicant does not believe that any fees are due; however, in the event that any fees are due, the Commissioner is hereby authorized to charge any required fees due (other than issue fees), and to credit any overpayment made, in connection with the filing of this paper to Deposit Account No. 50-0605 of Carr LLP.

Should the Examiner deem that any further amendment is desirable to place this application in condition for allowance, the Examiner is invited to telephone the undersigned at the number listed below.

Respectfully submitted,

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